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#42 Collection #42 Tracking/Designated Lineages Fastest 100 Plus Recent Designations

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This collection keeps track of recent designated lineages - daily updated

Suggested baseline (6 Dec 2023):
JN.1* (Nextclade)

This collection was last updated at Tue 02 Apr 2024 20:15 UTC.

Variants

World

Past 6 months

from2023-10-02to2024-03-27

Baseline: You can select a baseline variant to compare the variants in the collection against that variant. **Currently, the baseline variant is XBB.1.5* (Nextclade).**

xbb.1.5* (Nextclade)

x

v

☐ Advanced search

Select baseline

only

TABLESEQUENCES OVER TIME MUTATIONS

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Name	Query	Number sequences	Submitted in past 10 days	Relative growth advant...	CI (low)	CI (high)	Description
<u>XDV.1</u>	C1170T, C6501A, T22926C, C11572T, T22930A	3	3	541.65%	-350.11%	1433.41%	C11572T S:F456L via T2
★ <u>KP.2.1 (JN.1.11.1.2.1; BA.2.86.1.1.11.1.2.1)</u>	C7113T & T22928C & T3565C & G22599C & IC6070T & IA24819G & IG943A & IC19895T & IA2745G & C25163A	11	4	426.47%	20.35%	832.59%	S:Q1201K
★ <u>KP.3 (JN.1.11.1.2; BA.2.86.1.1.11.1.3)</u>	JN.1.11.1* (Nextclade) + S:Q493E	43	23	283.07%	161.06%	405.08%	S:Q493E
★ <u>KP.2 (JN.1.11.1.2; BA.2.86.1.1.11.1.2)</u>	C7113T & T22928C & T3565C & G22599C & IC6070T & IA24819G & IG943A & IC19895T & IA2745G	179	62	242.88%	186.24%	299.51%	S:R346T

Chat

★	KP.2.2 (JN.1.11.1.2.2; BA.2.86.1.1.11.1.2.2)	C7113T & T22928C & T3565C & G22599C & IC6070T & IA24819G & IG943A & IC19895T & IA2745G & T21737C & A25359G	5	0	234.55%	32.18%	436.92%	S:F59L S:K1266R
★	KP.1.1 (JN.1.11.1.1.1; BA.2.86.1.1.11.1.1.1)	JN.1.11.1* (Nextclade) + S:K1086R, S:R346T	74	22	222.15%	157.57%	286.72%	S:R346T
★	KS.1 (JN.1.13.1.1; BA.2.86.1.1.13.1.1)	JN.1.13* (Nextclade) + S:R346T, S:F59S, S:F456L	21	7	219.31%	118.85%	319.78%	S:F456L
★	KU.2 (JN.1.30.1.2; BA.2.86.1.1.30.1.2)	JN.1* (Nextclade) + G21255T, T7789C + S:R346T, S:F456L	10	2	196.15%	84.26%	308.04%	S:F456L
★	KP.1.1.1 (JN.1.11.1.1.1.1; BA.2.86.1.1.11.1.1.1.1)	JN.1.11.1* (Nextclade) + S:K1086R, S:R346T, S:K182N	13	5	185.92%	95.53%	276.31%	S:K182N
★	JN.1.16.1 (BA.2.86.1.1.16.1)	JN.1* (Nextclade) + G22599C, T22928C, T22916T, C1762C, T1871T, T4195T, T7789T, C26894C, C7113C, G25290G, A7708A, T18894T, T12789T, A18093A, T5120T, T18453T, C774C, C835C, G22111G, A15171A, G1156G, G9086G	77	27	180.37%	136.55%	224.19%	S:R346T
★	Multilineage JN.1* with S:R346T and S:F456L	JN.1* (Nextclade) + S:R346T, S:F456L	526	150	164.03%	143.88%	184.19%	S:R346T S:F456L
★	JQ.2.1 (BA.2.86.3.2.1)	BA.2.86.3* (Nextclade) + G2944A + S:R346T, S:L455S	15	2	153.31%	90.27%	216.34%	S:L455S
★	KU.1 (JN.1.30.1.1; BA.2.86.1.1.30.1.1)	JN.1* (Nextclade) + G21255T, T7789C + S:R346T, S:K182Q	8	1	151.76%	71.00%	232.52%	S:K182Q
★	Multilineage BA.2.86* with S:R346T and S:F456L	BA.2.86* (Nextclade) + S:R346T, S:F456L	531	151	148.97%	132.02%	165.92%	S:R346T S:F456L
★	Multilineage BA.2.86* including BA.2.86-derived recombinants with S:R346T and S:F456L	(nextcladePangoLineage:BA.2.86* nextcladePangoLineage:XDD* nextcladePangoLineage:XDK* nextcladePangoLineage:XDN* nextcladePangoLineage:XDQ* nextcladePangoLineage:XDP* nextcladePangoLineage:XDR* nextcladePangoLineage:XDS* nextcladePangoLineage:XDT*) & S:R346T & S:F456L	532	151	148.85%	131.93%	165.77%	S:R346T S:F456L
★	JN.1.18.2 (BA.2.86.1.1.18.2)	JN.1.18* (Nextclade) + S:F59S	34	10	143.92%	103.47%	184.37%	S:F59S
★	XDK.1	XDK* (Nextclade) + S:R346T	22	10	135.66%	91.56%	179.75%	S:R346T
★	XDD.1.1.1	XDD.1.1* (Nextclade) + S:R346T	9	0	131.27%	69.45%	193.09%	S:R346T
★	KP.1 (JN.1.11.1.1; BA.2.86.1.1.11.1.1.1)	JN.1.11* (Nextclade) + S:F456L, S:K1086R	171	28	125.10%	107.17%	143.03%	S:K1086R
★	KQ.1 (JN.1.4.3.1; BA.2.86.1.1.4.3.1)	JN.1.4.3* (Nextclade) + S:R346T	191	27	123.09%	106.36%	139.81%	S:R346T
★	JN.1.33 (BA.2.86.1.1.33)	JN.1* (Nextclade) + G2782T, C5512T + S:A67V	137	33	114.75%	98.00%	131.49%	G2782T C5512T S:A67V
★	XDQ.1	XDQ* (Nextclade) + S:A475V	138	42	107.38%	92.10%	122.65%	S:A475V
★	JN.1.13.1 (BA.2.86.1.1.13.1)	JN.1.13* (Nextclade) + S:R346T, S:F59S	556	47	104.13%	95.38%	112.88%	S:R346T S:F59S
★	KR.1 (JN.1.1.5.1; BA.2.86.1.1.1.5.1)	JN.1.1* (Nextclade) + C28498T + S:R346T, S:F456L	22	3	103.65%	74.23%	133.08%	C28498T S:F456L
★	JN.1.7.2 (BA.2.86.1.1.7.2)	JN.1.7* (Nextclade) + ORF1b:C1563F	274	14	103.12%	92.12%	114.13%	ORF1b:C1563F NSP14:C
★	JN.1.7.1 (BA.2.86.1.1.7.1)	JN.1.7* (Nextclade) + S:R346K	38	5	101.87%	78.86%	124.87%	S:R346K
★	JN.1.13 (BA.2.86.1.1.13)	JN.1.13* (Nextclade)	605	52	98.91%	91.06%	106.76%	S:A1087S

★	JQ.2 (BA.2.86.3.2)	BA.2.86.3* (Nextclade) + G2944A + S:R346T	24	6	94.38%	69.06%	119.69%	G2944A S:R346T
★	KV.2 (JN.1.4.5.2; BA.2.86.1.1.4.5.2)	JN.1.4* (Nextclade) + C11956T + ORF8:S103L, S:T572I, ORF1a:P971L	447	19	92.69%	84.78%	100.59%	C11956T S:T572I ORF1a:P971L
★	Sequences with Slip (S:L455S and S:F456L)	S:L455S, S:F456L	1 765	349	91.58%	86.56%	96.61%	S:L455S S:F456L
★	JN.1.7 (BA.2.86.1.1.7)	JN.1.7* (Nextclade)	3 199	299	90.18%	86.16%	94.19%	S:T572I S:E1150D
★	JN.1.11.1 (BA.2.86.1.1.11.1)	JN.1.11.1* (Nextclade)	846	184	89.62%	83.49%	95.75%	S:F456L
	XDQ	XDQ* (Nextclade)	344	96	88.88%	80.63%	97.13%	BA.2.86.1/FL.15.1.1 reco
★	JN.1.18.1 (BA.2.86.1.1.18.1)	JN.1.18* (Nextclade) + S:T250N	35	6	88.44%	68.39%	108.50%	S:T250N
★	KY.1 (JN.1.8.2.1; BA.2.86.1.1.8.2.1)	JN.1* (Nextclade) + A12928G, G22599C, C27476T + ORF1a:N3774D	30	5	88.21%	66.58%	109.85%	ORF1a:N3774D NSP6:N
★	XDP.1	XDP* (Nextclade) + ORF1a:L397P, ORF1a:H388Y, S:E1092D	72	4	87.78%	73.07%	102.48%	ORF1a:L397P NSP2:L21 S:E1092D
★	JN.1.30.1 (BA.2.86.1.1.30.1)	JN.1* (Nextclade) + G21255T, T7789C + S:R346T	39	3	87.45%	68.98%	105.93%	T7789C S:R346T
★	JN.1.9.1 (BA.2.86.1.1.9.1)	JN.1.9.1* (Nextclade)	130	15	87.25%	75.96%	98.54%	S:T572I ORF1a:A3143V
★	JN.1.23 (BA.2.86.1.1.23)	(nextcladePangoLineage:JN.1 & [3-of:S:K444R, S:Y453F, ORF1a:A307V, ORF1a:P2144L]) I nextcladePangoLineage:JN.1.23*	46	19	86.81%	69.56%	104.06%	S:K444R S:Y453F ORF1a:A307V ORF1a:P2144L NSP3:P1326L
★	JN.1.4.4 (BA.2.86.1.1.4.4)	JN.1* (Nextclade) + C774T, T3565C, G22599C, T18453T, G25445G, C23277C, T3400T, C27982C, C2395C, G533G, C6870C, G22627G, T25542T, C10078C	67	3	86.21%	71.42%	100.99%	S:R346T
★	JN.1.16 (BA.2.86.1.1.16)	JN.1.16* (Nextclade)	604	99	84.10%	77.93%	90.26%	S:F456L
★	JN.1.4.3 (BA.2.86.1.1.4.3)	JN.1.4.3* (Nextclade)	1 286	117	84.02%	79.26%	88.78%	S:T572I
★	JN.1.40 (BA.2.86.1.1.40)	JN.1* (Nextclade) + S:S31P	39	2	81.89%	64.65%	99.14%	S:S31P

★	JN.1.32 (BA.2.86.1.1.32)	JN.1* (Nextclade) + C23277T, C280C, G488G, A496A, C683C, C745C, C774C, T997T, C1060C, T1276T, C1288C, G1408G, G1590G, C1601C, C1612C, T1651T, C1762C, C1779C, G2155G, T2236T, A2526A, G2683G, C2695C, G2782G, A2941A, A3181A, T3127T, T3214T, G3875G, A4005A, T4138T, G4294G, C4543C, T4804T, C4921C, T4922T, A5269A, T5422T, G5558G, A6705A, C6555C, A5053A, C5184C, A6613A, C6633C, C7113C, C7423C, C7594C, C7732C, C8802C, A8845A, C9131C, C9298C, C9451C, C9565C, C9693C, C10369C, C10456C, C10726C, C10747C, C11102C, C11747C, T12244T, A13288A, C13326C, A13533A, C13620C, C13663C, C13720C, T14179T, C14267C, T14334T, T14466T, T14811T, G15226G, C15720C, G16106G, G16269G, C17012C, G17278G, G17562G, C17676C, A18093A, T18453T, G18674G, C18687C, T18738T, G18960G, C19011C, G19086G, G19132G, A19314A, A19578A, G20176G, T20874T, A21589A, C21741C, T22270T, T22669T, T22926C, T23137T, C23601C, C23896C, T24424T, C24734C, G25012G, T25171T, G25249G, A25327A, A25426A, C25566C, C25680C, G25987G, G26101G, C26499C, T26511T, G27047G, C27476C, G27948G, A28104A, G28123G, C29642C, A29700A	276	44	81.28%	73.46%	89.10%	S:T572I direct on the poly
★	JN.1.11 (BA.2.86.1.1.11)	JN.1.11* (Nextclade)	1 034	192	81.04%	76.12%	85.96%	G17334T S:V1104L
★	JN.1.4.6 (BA.2.86.1.1.4.6)	JN.1.4* (Nextclade) + T18453C + S:T572I	902	75	80.95%	75.88%	86.01%	S:T572I
★	KW.1 (JN.1.28.1.1; BA.2.86.1.1.28.1.1)	JN.1* (Nextclade) + C24034T, A29700G, C19545T, C24370T + ORF1a:P1640L, S:T572I	160	24	80.74%	71.28%	90.20%	S:T572I
★	XDS	XDS* (Nextclade)	63	4	79.08%	65.38%	92.78%	EG.5.1.3/JN.3.2.1 recom
★	JN.1.1.6 (BA.2.86.1.1.1.6)	JN.1* (Nextclade) + T22928C, C1762A, C11747T, C9142C, G22104G, G4720G, C25463C, C20762C, C22227C, C21654C	36	1	74.58%	58.39%	90.77%	S:F456L direct on the po
★	XDP	XDP* (Nextclade)	658	46	73.72%	68.68%	78.77%	JN.1.4/FL.15 recombinar
★	JN.1.28.1 (BA.2.86.1.1.28.1)	JN.1* (Nextclade) + C24034T, A29700G, C19545T, C24370T + ORF1a:P1640L	287	31	72.78%	66.12%	79.43%	C19545T C24370T ORF
★	JN.1.18 (BA.2.86.1.1.18)	JN.1.18* (Nextclade)	1 791	206	72.60%	69.12%	76.07%	S:R346T direct on the po
★	JN.1.20 (BA.2.86.1.1.20)	JN.1.20* (Nextclade)	707	63	71.13%	66.50%	75.76%	S:S31F direct on the poly
★	JN.1.35 (BA.2.86.1.1.35)	JN.1* (Nextclade) + T18471C + S:S680Y	67	6	70.65%	58.90%	82.39%	T18471C S:S680Y
★	JN.1.8.1 (BA.2.86.1.1.8.1)	JN.1.8.1* (Nextclade)	2 683	184	70.21%	67.29%	73.12%	S:T572I
★	JN.1.25.1 (BA.2.86.1.1.25.1)	JN.1* (Nextclade) + C706T, A7708T + S:R346T	17	0	69.67%	48.30%	91.05%	S:R346T
★	JN.1.8.2 (BA.2.86.1.1.8.2)	JN.1* (Nextclade) + A12928G, G22599C, C27476T	53	6	68.62%	55.89%	81.34%	S:R346T

★	KV.1 (JN.1.4.5.1; BA.2.86.1.1.4.5.1)	JN.1.4* (Nextclade) + ORF8:S103L, S:S680F	45	3	65.07%	52.23%	77.91%	S:S680F
★	JN.1.28 (BA.2.86.1.1.28)	JN.1* (Nextclade) + C24034T, A29700G	536	41	64.99%	60.40%	69.58%	C24034T A29700G
★	JN.1.27 (BA.2.86.1.1.27)	JN.1* (Nextclade) + C26894T, C25680T + S:M153I	69	7	64.63%	54.00%	75.26%	C26894T C25680T S:M1
★	JN.1.36 (BA.2.86.1.1.36)	JN.1* (Nextclade) + A29086T + S:Q677H	167	19	62.73%	55.75%	69.71%	A29086T S:Q677H
★	JN.2.2.1 (BA.2.86.1.2.2.1)	JN.2.2* (Nextclade) + S:N487D	10	2	62.07%	37.40%	86.75%	S:N487D
★	XDD.1.1	XDD.1.1* (Nextclade)	188	9	61.93%	55.36%	68.50%	S:I584V
★	JN.1.34 (BA.2.86.1.1.34)	JN.1* (Nextclade) + S:S704L	435	22	61.35%	56.67%	66.02%	S:S704L
	XDR	XDR* (Nextclade)	521	30	61.22%	56.77%	65.66%	JD.1.1.1/JN.1.1 recombir
★	XDD.1	XDD.1* (Nextclade)	338	13	60.89%	55.80%	65.98%	S:S704L
★	JN.1.42.1 (BA.2.86.1.1.42.1)	JN.1* (Nextclade) + C5581A + S:F59S	44	7	60.65%	48.46%	72.84%	S:F59S
★	JN.1.37 (BA.2.86.1.1.37)	JN.1* (Nextclade) + C23601T, G248G, G644G, G670G, C774C, A1078A, G1156G, C1185C, T1333T, A1461A, G1658G, C1762C, G2144G, G2173G, G2309G, G2782G, G2900G, G3875G, G4016G, T4804T, T4885T, G4963G, C5090C, C5581C, C5822C, C5849C, C5956C, C6538C, G7273G, G7646G, A7981A, C8074C, G8548G, G8578G, C8802C, A8812A, A10471A, A10558A, C11020C, A11260A, C12754C, G12832G, C15212C, G16269G, A16320A, C16551C, G17278G, G17334G, G17395G, G17562G, T18453T, T19104T, C21774C, C21998C, G22627G, G24821G, A25327A, G25634G, G26143G, T26511T, C26882C, C27476C, T27851T, T28053T, A28104A, A29086A, C29144C, A29684A	43	9	59.86%	48.06%	71.67%	S:S680F on the polytomy
★	JN.1.8 (BA.2.86.1.1.8)	JN.1.8* (Nextclade)	3 637	200	59.57%	57.43%	61.71%	ORF7a:T28I
★	JN.1.4 (BA.2.86.1.1.4)	JN.1.4* (Nextclade)	34 766	1 501	57.93%	56.81%	59.05%	ORF1a:T170I NSP1:T17
★	XDK	XDK* (Nextclade)	732	78	57.71%	54.14%	61.29%	JN.1.1.1/XBB recombina
★	JN.1 (BA.2.86.1.1)	JN.1* (Nextclade)	158 756	6 605	57.64%	56.84%	58.43%	S:L455S ORF1a:R3821K
★	JN.1.14 (BA.2.86.1.1.14)	JN.1.14* (Nextclade)	49	2	57.32%	46.41%	68.23%	S:R346S
★	JN.1.36.1 (BA.2.86.1.1.36.1)	JN.1* (Nextclade) + A29086T + S:Q677H, S:S680F	70	8	56.24%	47.04%	65.44%	S:S680F
★	JN.1.46 (BA.2.86.1.1.46)	JN.1* (Nextclade) + T4885C + ORF1a:L3116F	604	23	56.11%	52.36%	59.85%	T4885C ORF1a:L3116F I
★	XDN	XDN* (Nextclade)	190	1	54.89%	48.89%	60.90%	JN.1.1/JD.1 recombinant
★	JN.1.42 (BA.2.86.1.1.42)	JN.1* (Nextclade) + C5581A	2 303	76	54.71%	52.42%	57.00%	C5581A

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The sequence data was updated: Last Monday at 3:52 PM

Nextclade dataset version: 2024-02-16--04-00-32Z

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★	<u>JN.1.4.5 (BA.2.86.1.1.4.5)</u>	JN.1.4* (Nextclade) + ORF8:S103L	8 087			49.67%	52.49%	ORF8:S103L
★	<u>JN.1.9 (BA.2.86.1.1.9)</u>	JN.1.9* (Nextclade)	1 848			55	50.22%	S:Q183H
★	<u>JN.1.15 (BA.2.86.1.1.15)</u>	JN.1.15* (Nextclade)	193			10	50.14%	S:A688V
★	<u>JN.1.45 (BA.2.86.1.1.45)</u>	JN.1* (Nextclade) + G18756T	677			44	49.40%	G18756T
★	<u>JN.1.22 (BA.2.86.1.1.22)</u>	JN.1.22* (Nextclade)	2 836			72	48.69%	C13019T ORF1a:S505F NSP2:S3
★	<u>JN.1.38 (BA.2.86.1.1.38)</u>	JN.1* (Nextclade) + ORF1b:R1736K	654			16	48.53%	ORF1b:R1736K NSP14:R212K
★	<u>JN.1.41 (BA.2.86.1.1.41)</u>	JN.1* (Nextclade) + A29086T + S:S1252F	227			6	47.57%	A29086T S:S1252F
★	<u>JN.1.6 (BA.2.86.1.1.6)</u>	JN.1.6* (Nextclade)	1 174			27	47.21%	G22627A
★	<u>JN.1.6.1 (BA.2.86.1.1.6.1)</u>	JN.1.6.1* (Nextclade)	238			8	46.98%	S:R346T
★	<u>JN.1.3 (BA.2.86.1.1.3)</u>	JN.1.3* (Nextclade)	321			13	46.58%	ORF8:Q18Stop
★	<u>XDU</u>	C3944A, C12115T	28			12	46.48%	XBB.1.16/BA.2.86.1 recombinant
★	<u>BA.2.86.1</u>	BA.2.86.1* (Nextclade)	176 570			7 157	46.26%	C12815T ORF1a:K1973R NSP3:K
★	<u>JN.1.30 (BA.2.86.1.1.30)</u>	JN.1* (Nextclade) + G21255T	386			18	46.26%	G21255T
★	<u>JN.1.31 (BA.2.86.1.1.31)</u>	JN.1* (Nextclade) + C19186T + ORF3a:V13L	1 370			42	45.90%	C19186T ORF3a:V13L